

E-Series Plug-In Mixer

2 - 600 MHz

ETUF-1, ETUF-1SM

V3.00

Features

- LO Power: +7 dBm
- Up to +1 dBm RF

Specifications @ 25°C

Frequency Range		
RF		2 - 600 MHz
LO		2 - 600 MHz
IF		DC - 600 MHz
Conversion Loss (dB)		
4 - 300 MHz	Typical	Maximum
2 - 600 MHz	5.8	7.0
	6.2	8.0
Isolation (dB)		
LO to RF	Typical	Minimum
2 - 20 MHz	60	50
20 - 300 MHz	42	30
300 - 600 MHz	37	25
LO to IF		
2 - 20 MHz	60	45
20 - 300 MHz	47	30
300 - 600 MHz	36	22

Operating Characteristics

Impedance	50 Ohms Nominal
RF input for 1dB Compression	+ 1 dBm
DC Polarity	Negative

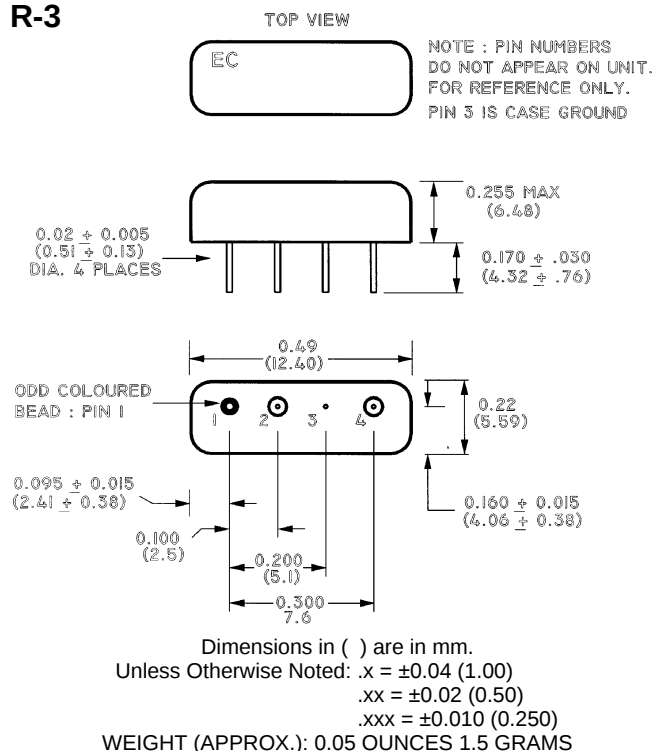
Ordering Information

Part No.	Packaging
ETUF-1	R-3 in Tubes
ETUF-1SM	R-15 in Tubes
ETUF-1SMTR	R-15 in Tape & Reel

Absolute Maximum Ratings

Parameter	Absolute Maximum
RF Power	50 mW
Peak IF Current	40 mA
Storage Temperature	-55°C to 100°C
Operating Temperature	-55°C to 100°C
Pin Temperature (10 Seconds)	260°C

R-3

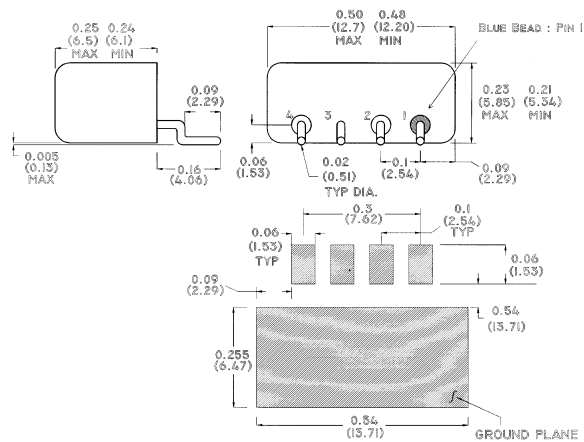


Pin Configuration (Typical)

Function	Pin No.
LO	4
RF	1
IF	2
Ground	3
Case Ground	3

S 0614 C, S 1185 B

R-15



Dimensions in () are in mm.

Unless Otherwise Noted: .x = ± 0.04 (1.00)

.xx = ± 0.02 (0.50)

.xxx = ± 0.010 (0.250)

WEIGHT (APPROX.): 0.05 OUNCES 1.5 GRAMS

Specifications Subject to Change Without Notice.